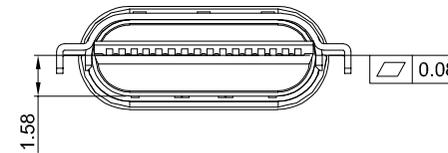
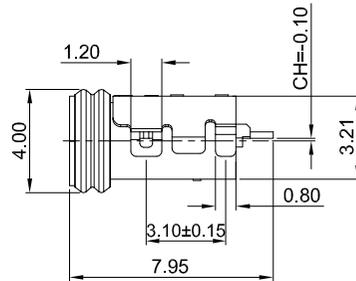
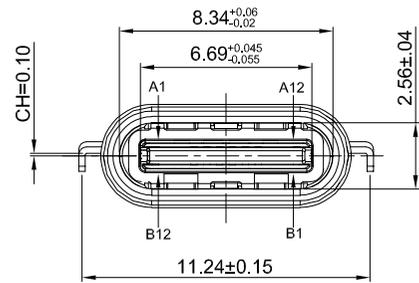
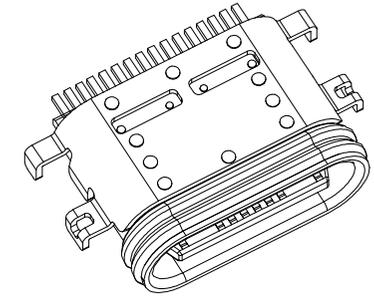
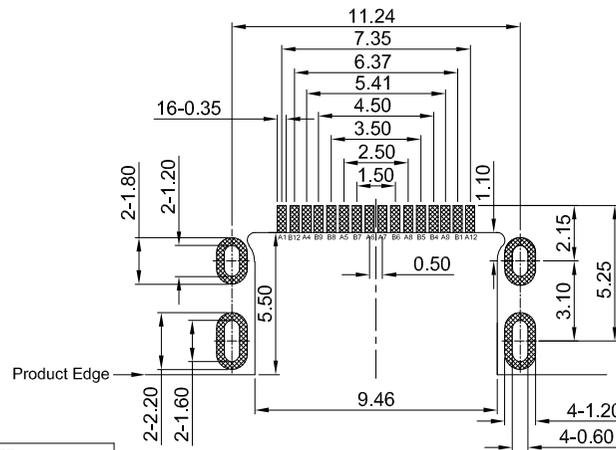
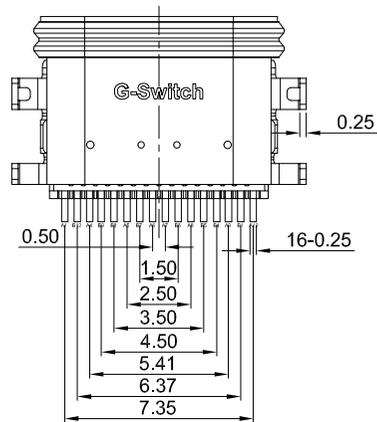


REFERENCE ASSEMBLY

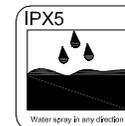
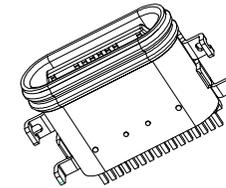


**G-Switch USB-C Specification:**

1. Current rated: 8A on vbus/1.25A on vconn/0.25A on other
2. Voltage rating: 24V AC
3. Withstanding voltage: 100V AC/minute
4. Contact resistance: 40mΩ Max
5. Insulation resistance: 100MΩ Min
6. Operating temperature: -40°C ~ +85°C
7. Mating force: 5N~20N
8. Unmating force: 8N~20N, after durability test: 6N~20N
9. Durability cycle: 10,000 cycles
10. Waterproof grade: IP-X5



PCB REFERENCE DIAGRAM  
TOLERANCE: ±0.05



A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND			VBUS	CC1	D+	D-	SBU1	VBUS			GND
First			First	Second	Second	Second	Second	First			First
B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1
GND			VBUS	SBU2	D-	D+	CC2	VBUS			GND
First			First	Second	Second	Second	Second	First			First

1	COVER SHELL	STAINLESS STEEL	NI PLATED
2	SHELL	STAINLESS STEEL	NI PLATED
3	EMC PLATE	STAINLESS STEEL	--
4	MID PLATE	STAINLESS STEEL	NI PLATED
5	HOUSING	PA9T	BLACK UL 94V-0
6	TERMINALS	COPPER ALLOY	Au1u" PLATED ON CONTACT AREA G/F PLATED ON SOLDER AREA
7	RUBBER	SILICA GEL	BLACK
8	SEALING	SILICON DIOXIDE	BLACK
NO.	PARTS	MATERIAL	REMARKS



SCALE: 1:1 UNIT: mm  
SIZE: A4

Unless otherwise  
General Tolerance:  
X. ±0.40  
X.x ±0.30  
X.xx ±0.20  
X.xxx ±0.10  
X\* ±5°

Title: Horizontal Type-C 16P Female  
SMT Mid-Mount 1.58 CH=0.1 L=7.05mm

Molde Code: GT-USB-7202D-01

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2025.02.08



REV: A0 SHEET: 1/1